4-15

6. ಮಾರ್ಚ್ 20 10

ಮಾರ್ಚ್ ಅಂತ್ಯ.

301 ರಿಂದ 259400 ರವರೆಗೆ

ಕೆಲಸ

E. [signature]
22/12/2014.

cutive Engineer
ayanapura Division
nka Zone, B.B.M.P.
ngalore-560092

First & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259301

Serial No. .....

Name of Work ..... Asphalting to Roads in Ramachandrapura and Doddabommasandra area in ward no (From Doddabommasandra To)

Name of Contractor of nature of Agency ..... Sri. R. Chandranaik

Date of commencement of work .....

BRNO: 512/29/16

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Code NO;- 010-15-0000144.						
	Agreement NO;- 193 Dated 03/02/15.						
	Work order NO;- EE/BTP/BBMP/E-PMT/193/2015-16. Date 03/02/15.						
	Address of Agency;- #19, 17th main road 7 2nd cross, J.D. halli, 5th Block Rajajinagara Bangalore-10.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 6/4/16						
1)	Earth work excavation by manual means in ordinary soil involving an average lift upto 0.5mt excavated horizontal throw upto 2 meters and an average lift upto 0.5mt excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications.						
	KNV 2nd Stage Main Road	2	30.00	0.60	0.45 =	16.20 cum	
		2	30.00	0.60	0.35 =	12.60 cum	
		2	30.00	0.60	0.45 =	16.20 cum	
		2	32.00	0.60	0.45 =	17.28 cum	
	Muneshwara Layout	2	30.00	0.60	0.35 =	12.60 cum	
		2	30.00	0.60	0.45 =	16.20 cum	
		2	30.00	0.60	0.40 =	14.40 cum	
		2	9.00	0.60	0.45 =	4.86 cum	
	Bural Grond road	2	30.00	0.60	0.40 =	14.40 cum	
		2	30.00	0.60	0.40 =	14.40 cum	
	Ramakrishna Apartment Road	2	30.00	0.60	0.45 =	16.20 cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Cross Road
	C&P 06/4/16

OK

Depth 6	Contents 7	Reference to last Measurement 8
	ordinary soil involving an average lift upto 0.9mt excavated disposed earth to be levelled per Specifications.	
	0.45 = 16.20 Cum	
	0.35 = 12.60 Cum	
	0.45 = 16.20 Cum	
	0.45 = 17.28 Cum	
	0.35 = 12.60 Cum	
	0.45 = 16.20 Cum	
	0.40 = 14.40 Cum	
	0.45 = 4.86 Cum	
	0.40 = 14.40 Cum	
	0.40 = 14.40 Cum	
	0.45 = 16.20 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 259302

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	30.00	0.60	0.45 =	16.20 Cum	
		2	30.00	0.60	0.35 =	12.60 Cum	
		2	30.00	0.60	0.40 =	14.40 Cum	
		2	19.00	0.60	0.40 =	9.12 Cum	
	Cross Road	2	32.00	0.60	0.45 =	17.28 Cum	
					Total =	224.94 Cum	
		Qty limited to Tender			=	224.10 Cum	
		@ Rs	75.00			Rs 16808.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications.						
	For 2nd Stage Main Road	1	30.00 (5.0+5.3)/2			= 154.50 Sqm	
		1	30.00 (5.3+5.10)/2			= 156.00 Sqm	
		1	30.00 (5.10+5.0)/2			= 151.50 Sqm	
		1	32.00 (5.0+5.10)/2			= 161.60 Sqm	
	Muneshwara Layout	1	30.00 (5.0+4.7)/2			= 145.50 Sqm	
		1	30.00 (4.7+4.7)/2			= 141.00 Sqm	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Burial Ground road	1
	Ramakrishna Apartment Road	1

K

epth 6	Contents 7	Reference to last Measurement 8
	nom thick along with their terial and stacking of old ential spreading of the n prepared base and consolidate	
	= 154.50 Sqm	
	= 156.00 Sqm	
	= 151.50 Sqm	
	= 161.60 Sqm	
	= 145.50 Sqm	
	= 141.00 Sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No: B

Serial No. .....

Name of Work ..... From..... To..... 259303

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Burial Ground road	1	30.00	(4.7+4.4)/2	=	136.50 Sqm	
		1	9.00	(4.4+5.40)/2	=	44.10 Sqm	
		1	30.00	(4.6+5.5)/2	=	166.50 Sqm	
		1	10.00	(5.5+5.40)/2	=	54.50 Sqm	
	Ramakrishna Apartment Road	1	30.00	(5.0+4.0)/2	=	135.00 Sqm	
		1	30.00	(4.0+4.5)/2	=	127.50 Sqm	
		1	30.00	(4.5+7.0)/2	=	172.50 Sqm	
		1	30.00	(7.0+6.7)/2	=	205.50 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C/F Mukund 6/4/16	L	19.00	(6.7+7.2)/2	=	132.05 Sqm	
					Total =	2084.25 Sqm	
		Qty limited to tender @ Rs 82.00			=	2075.00 Sqm	
						Rs 170150.00	
						Sadhu AE 06/04/16	
	Measurement continued on 04/05/16						
3)	Providing, laying spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Materials by tippers to site, laying in uniform layers with Paver in 45-both/both course on well prepared surface and compacting with vibratory roller to achieve the desired density etc.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	KNV 2nd Stage Main Road
	Muneshwara Layout

OK

Depth 6	Contents 7	Reference to last Measurement 8
=	132.05 Sqm	
Total =	2084.25 Sqm	
Nett =	2075.00 Sqm	
	Rs 170150.00	
	Sodha AE 06/04/16	
ng graded stone aggregate to g premixing the Materials with nixage of mixed materials by with Paver in S45-bar/Bar cutting with vibratory roller to		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 259304

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	KNV 2nd Stage Main Road	1	30.00	(5.0+5.3)/2	0.20	= 30.90 cum	
		1	30.00	(5.3+5.10)/2	0.20	= 31.20 cum	
		1	30.00	(5.1+5.0)/2	0.20	= 30.30 cum	
		1	32.00	(5.0+5.10)/2	0.20	= 32.32 cum	
	Muneshwara Layout	1	30.00	(5.0+4.7)/2	0.20	= 29.10 cum	
		1	30.00	(4.7+4.7)/2	0.20	= 28.20 cum	
		1	30.00	(4.7+4.4)/2	0.20	= 27.30 cum	
		1	9.00	(4.4+5.4)/2	0.20	= 8.82 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Burial ground road	1	30.00	(5.8+5.5)/2	0.20	= 33.30 Cum	
		1	10.00	(5.5+5.40)/2	0.20	= 10.90 Cum	
	Ramakrishna Apartment Road	1	30.00	(4.0+4.0)/2	0.20	= 27.00 Cum	
		1	30.00	(4.0+4.5)/2	0.20	= 25.50 Cum	
		1	30.00	(4.5+7.0)/2	0.20	= 34.50 Cum	
		1	30.00	(7.0+6.7)/2	0.20	= 41.10 Cum	
		1	19.00	(6.7+7.20)/2	0.20	= 26.41 Cum	
					Total	= 416.85 Cum	
						= 415.00 Cum	
	Qty limited to Tender						
	@ Rs 1438.00					Rs 596770.00	

Seetha
AE 04/05/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
4)	Measurement Co cleaning the existing WBM and other foreign matter w brooms or soft brushes and air to receive bituminous Qty vide Item	
5)	providing and applying pr cement stabilized soil bas	

th	Contents 7	Reference to last Measurement 8
0 =	33.30 cum	
20 =	10.80 cum	
0 =	27.00 cum	
20 =	25.50 cum	
20 =	34.50 cum	
20 =	41.10 cum	
20 =	26.41 cum	
tal =	416.85 cum	
=	415.00 cum	
	Rs 596770.00	

Sadhan
AE 04/05/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 259305
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Measurement continued on 30/05/16						
a)	cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials.						
	Qty vide Item no - 02				Total =	2075.00 Sqmt	
			@ Rs	12.00		Rs 24900.00	
b)	providing and applying primer coat for surface of medium porosity like cement stabilized soil base @ 1.10 kg/Sqmt over prepared surface with SS bitumen						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all materials.						
	Qty vide Item no- 04					= 2075.00 SQM	
	@ Rs 74.00						Rs 153550.00
6)	providing and laying semi-dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction as per MORTH						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	KNV 2nd Stage Main Road
	C&FC.
	30/5
	Muneshwara Layout

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
oith spray Set (excluding cleaning ll materials.			
0 - 04	=	2075.00 Sqm	
		Rs 153550.00	
umimous concrete using crushed mixed with bitumimous binder work site, laying with a paver d alignment, rolling with smooth to achieve the desired compaction			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259306

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	KNV 2nd Stage Main Road	1	30.00	(5.0+5.3)/2	0.025	= 3.86 cum	
		1	30.00	(5.3+5.10)/2	0.025	= 3.90 cum	
		1	30.00	(5.1+5.0)/2	0.025	= 3.79 cum	
		1	32.00	(5.0+5.10)/2	0.025	= 4.04 cum	
		1	30.00	(5.0+4.7)/2	0.025	= 3.64 cum	
		1	30.00	(4.7+4.7)/2	0.025	= 3.53 cum	
		1	30.00	(4.7+4.4)/2	0.025	= 3.41 cum	
		1	9.00	(4.4+5.40)/2	0.025	= 1.10 cum	
	C&FC. Muneshwara Layout ಪಿ.ಡಬ್ಲ್ಯು.ಡಿ (ಪಾಲಿಕೆ)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Burial Ground road	1	30.00	$\frac{(5.6+5.5)}{2}$	0.025 =	4.16 cum	
		1	10.00	$\frac{(5.5+5.4)}{2}$	0.025 =	1.36 cum	
	Ramakrishna Apartment Road	1	30.00	$\frac{(5.0+4.0)}{2}$	0.025 =	3.38 cum	
		1	30.00	$\frac{(4.0+4.5)}{2}$	0.025 =	3.19 cum	
		1	30.00	$\frac{(4.5+7.0)}{2}$	0.025 =	4.31 cum	
		1	30.00	$\frac{(7.0+6.7)}{2}$	0.025 =	5.14 cum	
		1	19.00	$\frac{(6.7+7.2)}{2}$	0.025 =	3.30 cum	
					Total =	52.11 cum	
		Qty limited to Tender			=	51.88 cum	
		@ Rs 11070.00				Rs 574312.00	

Measurement checked
30/5/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Measurement cont
7)	providing granite slabs cement mortar (1:6) inclu complete as per specifica
	Nanjappa Layout
	1st Main

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
)	0·025 =	4·16 cum	
4)	0·025 =	1·36 cum	
0)	0·025 =	3·38 cum	
5)	0·025 =	3·19 cum	
0)	0·025 =	4·31 cum	
7)	0·025 =	5·14 cum	
12)	0·025 =	3·30 cum	
	Total =	52·11 cum	
	nder =	51·88 cum	

Rs 57431 2·00

Sudha
AE 30/5/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259307

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Measurement continued on 16/6/16						
7)	providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing cutting etc. complete 7.5 cms thick etc complete as per specifications.						
	Nanjappa Layout						
	1st Main	1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	32.00		0.90 =	28.80 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	9.00		0.90 =	8.10 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	19.00		0.90 =	17.10 Sqm	
		1	30.00		0.90 =	27.00 Sqm	
		1	36.00		0.90 =	32.40 Sqm	
					Total =	1191.40 Sqm	
	Qty limited to Tender				=	1190.50 Sqm	
	@ Rs 642.00					Rs 314901.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
8)	providing chamfering to only chamfered length	edg Sho g @
9)	providing two line dressi etc complete as per s	

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	17·10 Sqm	
	0·90 =	27·00 Sqm	
	0·90 =	32·40 Sqm	
	Total =	491·40 Sqm	
nder	=	490·50 Sqm	
		Rs	31490·00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259308

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
8)	providing chamfering (only chamfered length shall be recorded) etc complete as per specifications.						as per specifications.
		910 nos	3·00			Total = 2730·00 mtr	
		Qty limited to tender				= 2724·00 mtr	
		@ Rs 32·00				Rs 87168·00	
9)	providing two line dressing to granite stone slab/granite stone masonary etc complete as per specifications and direction of engineer.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide Item No-01				Total =	490.50 Cum	
	@ Rs 851.00					Rs 417416.00	
						Sadhu AE 16/6/16	
	Measurement continued on 28/7/16						
10)	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading From 0.00 to 2.00 KM etc complete as per Specifications						
	Qty vide Item No-01				=	201.69 Cum	
	@ Rs 73.00					Rs 14723.00	
						Total Rs 237698.00	
						Sadhu AE 28/7/16	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Certificate;-	
	Certified that the q and no-materials	
	Sadhu AE 28/7/16	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
		Total = 490.50 Sqm	
		Rs 417416.00	
		Sadhu AE 16/6/16	
payable at carriage rates by			
g and unloading From 0.00 to			
tions			
-01		= 201.69 Cum	
		Rs 14723.00	
		Total Rs 2370698.00	
		Sadhu AE 28/7/16	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259309

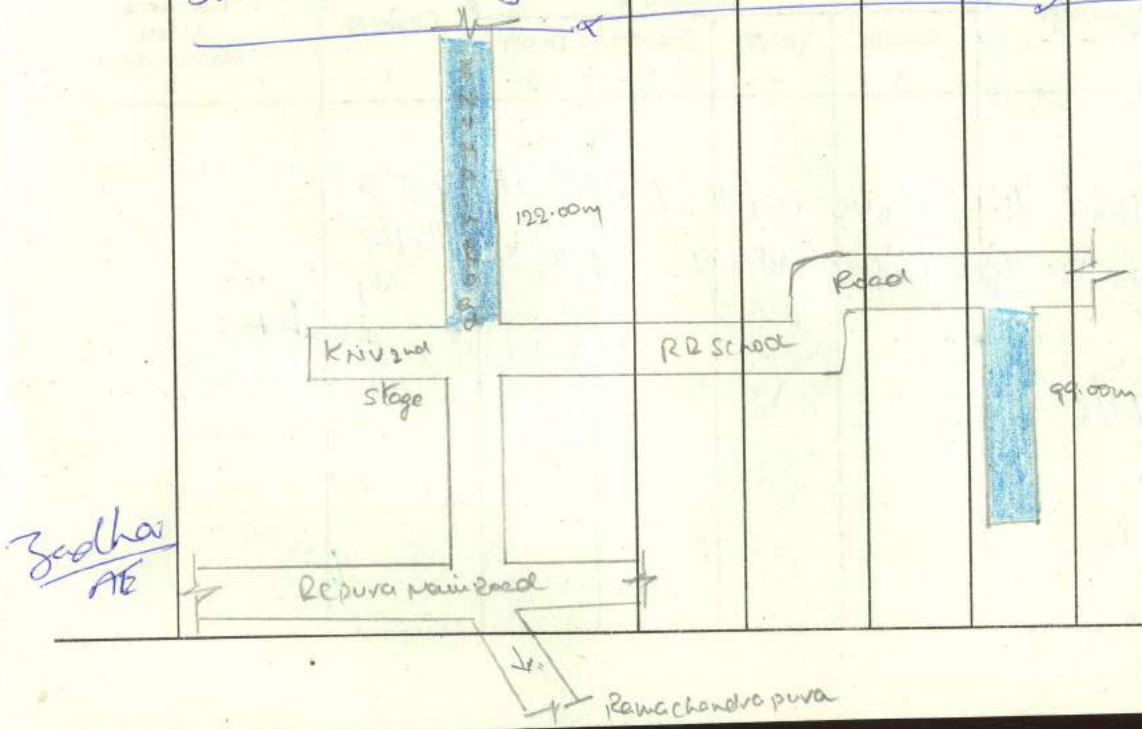
Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate:-						
	Certified that the above work done Satisfactory and no-materials issued from departmentally						
	Sadhu AE 28/7/16						
	Mohan 28/7/16						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

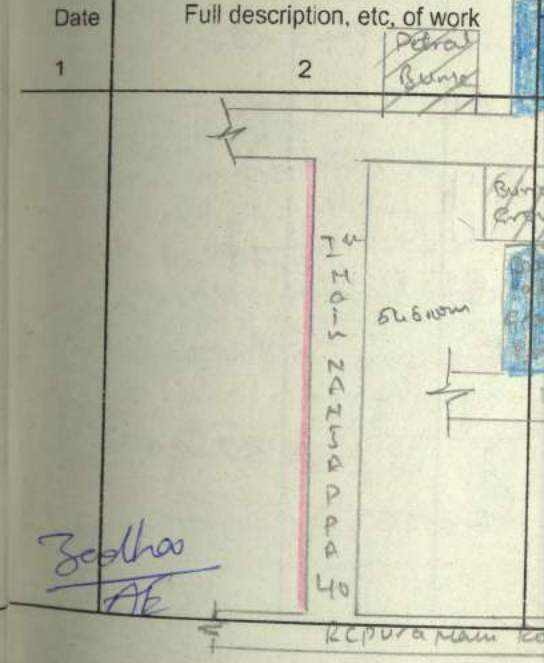
Sketch Showing the locations of work done spot



Sadhan
AE

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



Sadhan
AE

K

epth 6	Contents 7	Reference to last Measurement 8
work done SPot		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

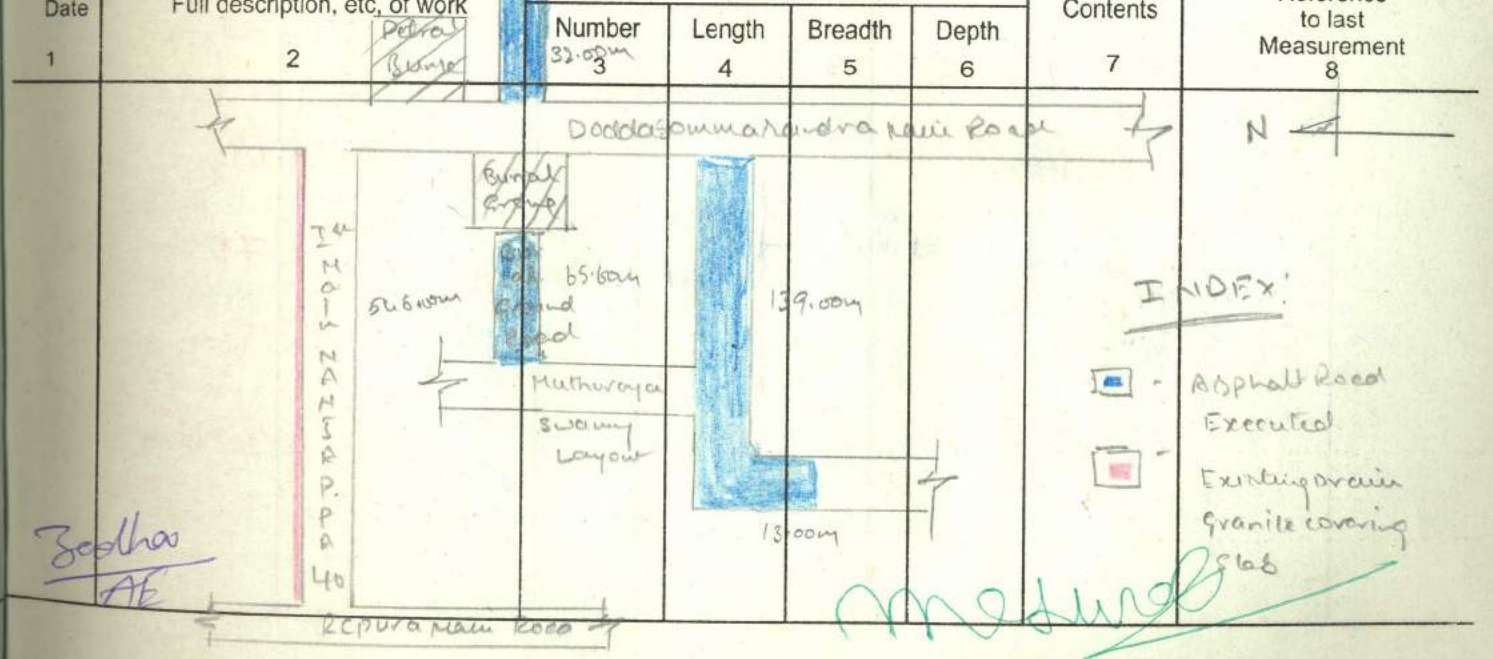
Serial No. .....

Name of Work ..... From..... To..... 259310

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Petrol Bunk	32.00m					



Bodhan
AE

MEASUREMENT BOOK

First & Final Bill

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Audited & Admitted to Rs 23,70,696- 21,76,370- And Rs 1,94,326- Divisional Engineer 8/11/16					I.T. 23707- Vat 94828- LWC 23707- Roy 47414- CBE 2370- Fine 2300- 194326-	

Serial No. .....
Name of Work ... Maintainance of Dri... (Ooddabommasandra)
Name of Contractor or nature of Agency ... Sri.
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	Work Code No:-	010-16-
	Head of Account:-	P17
	Administrative Approval n	
	Technical Sanction No:-	
	Work orders No:-	EE/BTP
	Address of Agency:-	Koth Chi